

AffiPure™ Normal Rat IgG, Whole Molecule

Purified *in vivo* GOLD™ Functional Grade

Ultra Purified Immunoglobulin

Product Information

Product No.: R1372

RRID: AB_2894256

Product Description

Background:

Normal Rat IgG Ultra, Whole Molecule was purified using protein G chromatography from normal serum. IgG is produced and secreted by plasma B cells, and constitutes the majority of serum immunoglobulins. The whole IgG molecule contains both the F(c) region, recognized by high-affinity Fc receptor proteins, and the F(ab) region with the epitope-recognition site, and thus contains two antigen binding sites. IgG antibodies mediate immunological responses to allergy and pathogenic infections by binding to viruses, bacteria, or fungi and facilitating their destruction by activation of the compliment cascade, immobilizing them via agglutination, or opsinization for phagocytosis. This product contains a sufficient quantity of endogenous IgG to block nonspecific binding sites on fixed samples and assay substrates. While most commonly used in flow cytometry this product is useful in other applications such as ELISA, IHC, ICC, Blocking and as a control.

Format:

Purified No Carrier Protein

Formulation

This product has been aseptically packaged and formulated in phosphate buffered saline (PBS) pH 7.1-7.5 with no carrier proteins or preservatives.

Product may be provided with carrier proteins or preservatives by request

Storage and Stability

Store at 2-8° C under sterile conditions

Country of Origin

USA